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In re Application of: Sean Boerner

Group Art Unit:

Serial No: 09/815,360

Filed: 3/22/2001

Examiner:

For: Method and System to Identify Discrete Trends in Time Series

Commissioner of Patents and Trademarks  
P.O. Box 1450  
Arlington, VA 22313-1450

### AMENDMENTS AND RESPONSE TO OFFICE ACTION

In response to the Office Action mailed July 5, 2005 applicant respectfully submits the following responses.

#### **§103 Rejection of claims 1-26 based on Matsuoka (U.S. Patent No. 5,956,702)**

1. Applicant respectfully traverses the §103 rejection of claims 1-26 based on Matsuoka.

#### **"Jumping trends" versus "generally increasing or decreasing trends"**

2. Matsuoka appears to be directed at detecting a change in level for "jumping trends" where the data include abnormal values. Matsuoka's "discontinuous trends" or "jumping trends" represent special cases of time-series data. By contrast, the current invention relates to more general trends such as financial data:

"Over a period of time, these types of time series exhibit fluctuations, which can be characterized by a plurality of discrete "trends", where each trend represents a sequence of data elements **when the data is generally increasing or decreasing at a certain linear or non-linear rate.** Typically the data is "noisy" in that the data points may each deviate from the values defined by the trend. Typically, these trends do not last indefinitely, and it is of great interest to financial managers and others to